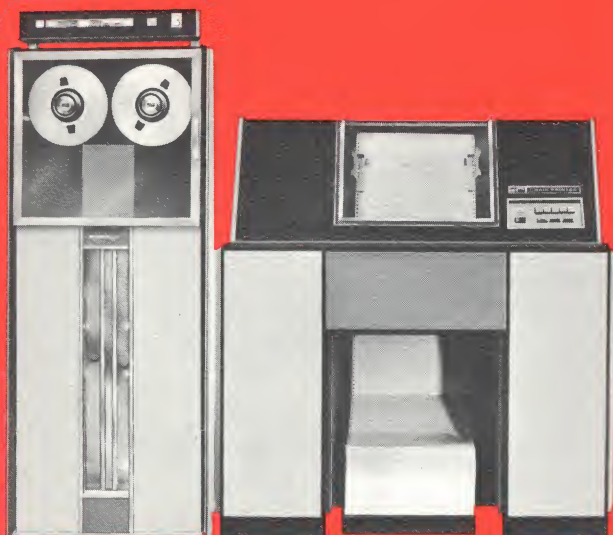


**MORE  
COMPUTER  
INSTALLATION  
THRUPUT  
WITH A  
HIGH-SPEED  
CHAIN PRINTER  
SYSTEM  
BY  
POTTER®**





Potter Instrument's new PS-6000 Series Off-Line Printer Systems enable your computer installation to realize *more thruput* by relieving your computer from routine printing tasks. The new Potter 6000 Printer Systems function *off-line*.

Why off-line? Because printing on-line costs you money — by using expensive computer time. With the new Potter 6000 Series High-Speed Chain Printer System, you simply remove your processed magnetic tape from your computer (IBM, Honeywell, Burroughs, GE, SDS, UNIVAC, RCA or any other), mount it on the Potter System, and print concurrently while your computer is already processing the next job.

And, if a priority printing is ever required, it is never necessary to interrupt your computer processing. The Potter Off-Line Printer System works *independently* of your computer. Data Processing Managers have the problem of satisfying the needs of many different departments within your company. Potter's new Off-Line Printer System facilitates quicker results — helps get more work done with less non-productive waiting time. Company Operations Managers will appreciate how Potter's new Off-Line Printer System will show a rapid return on investment by helping the computer installation process more jobs in less time.

Doing more work in less time . . . Isn't that what computers are all about? Why not let a low-cost Potter Off-Line Printer System relieve your computer to do more important work — like processing more data.



**POTTER  
OFF-LINE PRINT STATION**

## **APPLICATIONS**

The Potter Off-Line Printer System can be used for high-volume printing, especially jobs requiring an unusual set of type characters, such as:

- Graphic Art Proof Copy
- Billing and Factory Orders
- Inventory Status and Transactions
- Payroll Checks and Statements
- Address Labels
- Sales Analysis
- Directories, Indexes, Parts Lists
- Customer Statements of Account
- Direct Mail Letters
- Research Reports Using Scientific Symbols



# SPECIFICATIONS

## TAPE TRANSPORTS

<b>MAGNETIC TAPE SPEEDS</b>	
PS-6020 .....	112.5 ips — SC-1060 Single-Capstan Tape Transport
PS-6030 .....	150 ips — SC-1080 Single-Capstan Tape Transport
<b>MAGNETIC TAPE DENSITY</b> .....	200, 556, 880 bpi, NRZI
<b>TAPE TYPE</b> .....	1/2" IBM-compatible
<b>MAGNETIC TAPE BLOCK LENGTH</b> .....	Fixed, one full printer line
<b>MAGNETIC TAPE ERROR CHECK</b> .....	Vertical and longitudinal parity
<b>MAGNETIC TAPE REREADS</b> .....	Up to 7 with threshold select
<b>MAGNETIC TAPE END OF FILE</b> .....	Detect and halt on end of file (8421)
<b>MAGNETIC TAPE BAD BLOCK DELETE</b> .....	If block cannot be read after 8 attempts, operation halts and operator has choice of printing block as is, or skipping block.
<b>SYSTEM SYNCHRONOUS STOP</b> .....	After print cycle

## CHAIN PRINTER

<b>PRINTER SPEED</b> .....	Up to 800 lines-per-minute (dependent on size of code set; 400 lines-per-minute at 48 characters).
<b>PRINTER SLEWING SPEED</b> .....	16.5 ips
<b>NO. OF PRINTER CHARACTERS</b> .....	Up to 192 characters
<b>NO. OF PRINTER COLUMNS</b> .....	Up to 120 or 132 columns, standard.
<b>PRINTER SINGLE LINE ADVANCE TIME</b> .....	25 milliseconds
<b>PRINT FORMAT CONTROL</b> .....	Console switch select 1. Advance to next hole in format channel. 2. Advance in accordance with first character of record; see Table 1 below.
<b>NO. OF PRINTED COPIES</b> .....	1 to 6 copies interleaved, card stock, or multilith master.
<b>RIBBON</b> .....	Conventional, low cost 3/4" ribbon activated only during print cycle.
<b>PAPER WIDTH</b> .....	2 1/2" to 18 1/2"
<b>PRINT SPACING</b> .....	10 characters-per-inch
<b>LINE SPACING</b> .....	6 lines-per-inch standard; 8 lines-per-inch, optional

## TAPE FORMAT

Data prepared for the PS-6000 Series is in a fixed block format, one complete printer line per magnetic tape record. Each line must be blank filled where required. A switch at the control console allows the user to control vertical format from the data content or the format loop on the printer. In the data mode, the first character of the record determines the formatting by the coding of five of the six data bits, as shown in Table 1.

TABLE 1

bit 1	ADVANCE TO TOP OF FORM	}	ABSENCE OF BOTH BIT 1 AND BIT 2 CAUSES 1 LINE FEED	
bit 2	ADVANCE TO NEXT FORMAT CHANNEL HOLE			
bit 3	}	OPTIONAL USE — ADVANCE UP TO 8 SPROCKET CHANNEL POSITIONS		
bit 4				
bit 5	}			ALWAYS A BINARY ONE
bit 6				



# MODEL HSP-3502 CHAIN PRINTER

## THE WORLD'S MOST ADVANCED HIGH-SPEED CHAIN PRINTER

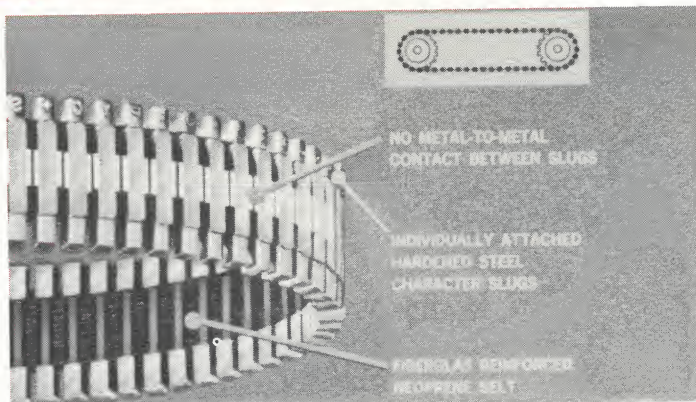
The Potter HSP-3502 is designed for use with all computers and data processing systems. This versatile printing system can be used on-line as well as off-line, or interfaced with a DATA-PHONE\* for remote terminal system application. The chain system makes the 3502 Chain Printer substantially lower in costs than drum printers and extraordinarily simple to maintain and operate.

The heart of the Potter Chain Printer is a uniquely-designed, continuous rotating chain that contains up to 192 individually attached character slugs. Character slugs are simply attached and can be changed in minutes. In fact, the entire chain can be changed in a matter of minutes.

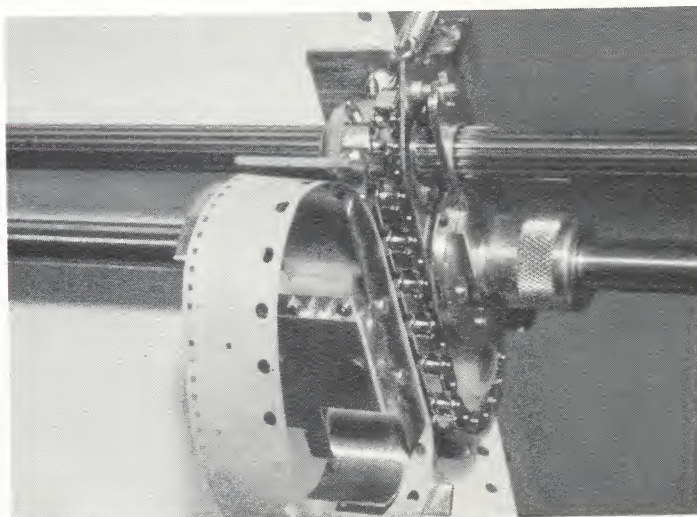
In addition to the chain, the Potter 3502 Printer features new components. For one, there are the double-width print hammers, with only one moving part, that reduce the number of required hammers and hammer circuits by *half*.

There are many other innovations within the 3502. It has approximately 200 different parts. The printer you're now using probably has over 1000 — regardless of its type or make. Fewer parts mean reduced maintenance time.

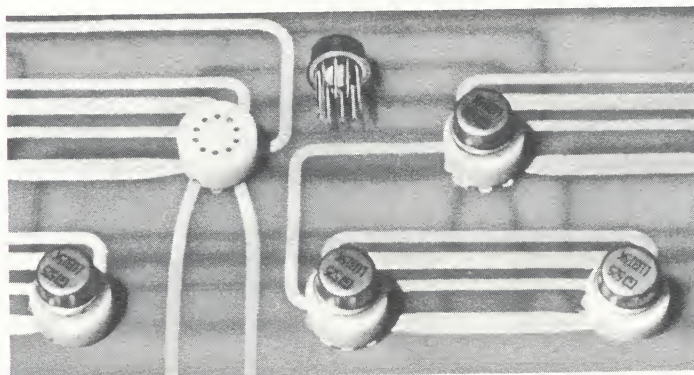
Potter's new Off-Line Printer System can handle most of your printing needs — folded and roll paper forms, standard and special reports, preprinted forms, heat transfer or pressure sensitive papers, card stock, and multilith masters.



**NEW CHAIN DESIGN**—Potter's uniquely designed, continuous rotating chain contains hardened steel character slugs individually attached to a non-stretch timing belt. Type font and character sets may be changed in minutes with no hammer realignment necessary.



**TECHNOLOGICAL ADVANCES** — have reduced the total number of different parts to **approximately 200!** Multipurpose tractor assembly accurately feeds paper and controls format.



**INTEGRATED ELECTRONICS** are used in all control and interface logic functions for longer life, accessibility and reduced maintenance time.



# POTTER OFF-LINE PRINTER SYSTEMS



## FEATURES

- Up to 192 characters in 120 or 132 print positions
- Print out speeds to 800 lines-per-minute
- Immediate visibility of last line printed
- Format loop control automatically positions forms
- Page overflow detection
- End of file detection and indication
- Integrated circuit electronics
- Synchronous halt at beginning of next buffer load cycle
- Vertical and longitudinal tape parity check with up to 7 rereads (threshold select)

### MODEL PS-6020 OFF-LINE PRINTER SYSTEM

The Potter Model PS-6020 Off-Line Printer System consists of a Model SC-1060 Single-Capstan Tape Transport and the new Model HSP-3502 High Speed Chain Printer.

Printing speeds up to 800 lines/minute are available. Up to 192 characters in up to 120 or 132 print positions are provided.

The Model SC-1060 Tape Transport offers the newest design in tape handling. It is a single-capstan digital unit providing bidirectional tape speed of 112.5 ips — data transfer rate of 90KC.

The Model SC-1060 offers the lowest tape wear rate possible — easy and rapid tape loading, stops on load point — photoelectric tape position sensors — 7- and 9-channel IBM compatibility, including SYSTEM/360 — and data reliability as only the surface of the read/write head comes in contact with the tape oxide.

### MODEL PS-6030 OFF-LINE PRINTER SYSTEM

The Potter Model PS-6030 Off-Line Printer System consists of a Model SC-1080 Single-Capstan Tape Transport and the new Model HSP-3502 High Speed Chain Printer.

Printing speeds up to 800 lines/minute are available. Up to 192 characters in up to 120 or 132 print positions are provided.

The Model SC-1080 Tape Transport offers the newest design in tape handling. It is a single-capstan digital unit providing bidirectional tape speed of 150 ips — data transfer rate of 120KC.

The Model SC-1080 offers the lowest tape wear rate possible — Automatic tape loading, stops on load point — photoelectric tape position sensors — 7- and 9-channel IBM compatibility, including SYSTEM/360 — and data reliability as only the surface of the read/write head comes in contact with the tape oxide.

## OTHER POTTER PRODUCTS

**On-Line Chain Printers** . . . interfaced to most manufacturers' data processing systems, will operate on line with the same interchangeability of character sets, speed.

**Remote Printer Terminals** . . . for communication networks, printing up to 132 positions per line at the speed of voice-grade circuits.

**Digital Magnetic Tape Transport Systems** . . . to fit every need requiring versatility, low cost, ruggedness, speed.

**RAM®** . . . cartridge loaded random access memory systems, containing 50 million bits, or over 7 million 7-bit characters of information, addressable without sequencing your data.

## POTTER MAINTENANCE ENGINEERING

Potter's Customer Service Engineers are staffed at strategic locations within the continental United States.

Staffed by highly-trained field representatives, these service centers are equipped to effect on-site installation of equipments and to perform quality repair, maintenance and overhaul.

Supplementing this capability, if a customer prefers to provide his own equipment support, Potter has established standard instruction courses to train customer personnel, either at Potter or in the field. Potter also offers provisioning and logistics capabilities to meet all existing military specifications.

The Potter field service and logistics program is one of the finest in the EDP equipment industry. With reliable, quality-engineered equipment, supported by comprehensive field service, Potter guarantees satisfaction.

### SALES OFFICES POTTER INSTRUMENT COMPANY, INC.

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Plainview, Long Island, New York 11803  
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TWX: 510-221-1852  
CABLE: PICO

11499 Waterview Cluster  
Reston, Virginia 22070  
Telephone (202) 737-1174

#### MINNESOTA DISTRICT

4940 Viking Drive  
Minneapolis, Minnesota 55424  
Telephone (612) 920-4973  
TWX: 910-576-2947

#### SOUTHWEST DISTRICT

715 East Mission Drive  
San Gabriel, California 91776  
Telephone (213) 283-8177  
TWX: 910-589-3372

### POTTER INSTRUMENT COMPANY, LTD. INTERNATIONAL SALES AND SERVICES

McGraw-Hill House  
Shoppenhangers Road  
Maidenhead, Berkshire, England  
Telephone MAidenhead 20361  
CABLE: PICO MAIDENHEAD



**POTTER**  
INSTRUMENT COMPANY, INC.

151 SUNNYSIDE BOULEVARD • PLAINVIEW, NEW YORK • 516 OVERBROOK 1-3200



## Off-Line Printer SYSTEM

MODEL	DESCRIPTION	SELLING PRICE	
		7-channel	9-channel
PS-6020	Standard system incorporating Potter Model SC-1060 Single Capstan Tape Transport and HSP-3502 Chain Printer		
	120 Columns . . . . .	\$28,400.	\$29,600.
	132 Columns . . . . .	28,850.	30,050.
	Tape Transport: IBM Compatible, 7- or 9-channel, 200, 556, 800 bpi.		
	Chain Printer: 120 or 132 columns, 48 characters, 400 lines-per-minute, or 64 characters, 315 lines-per-minute.		
PS-6030	Standard system incorporating Potter Model SC-1080 Single-Capstan Tape Transport and HSP-3502 Chain Printer		
	120 Columns . . . . .	\$30,700.	\$31,900.
	132 Columns . . . . .	31,150.	32,350.
	Tape Transport: IBM Compatible, 7- or 9-channel, 200, 556, 800 bpi.		
	Chain Printer: 120 or 132 columns, 48 characters, 400 lines-per-minute, or 64 characters, 315 lines-per-minute.		

Consult your Potter Field Applications Engineer for information on the following:

**Leasing:** One year rental and three, four and five year leases are available at low monthly rates.

**Service:** Potter field service is available on a 24-hour-a-day basis. Service contracts are available providing all required parts and service at a fixed monthly rate. Service training for customer personnel is available at no charge.

**Prices:** Potter prices are quoted f.o.b. Plainview, New York.  
**Terms:** Terms of sale are net 30 days from date of invoice.  
 Prices and information subject to change without notice.

PL 5-300

EFFECTIVE: OCTOBER 15, 1966



**POTTER**  
**INSTRUMENT COMPANY, INC.**  
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